

SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB#

62324

Requester's Full Name: Richard E. George Examiner #: 59778 Date: 3/13/03
 Art Unit: 21000 Phone Number 30 5-4111 Serial Number: 0914374114
 Mail Box and Bldg/Room Location: PK2 8A 37 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

US 5,214,688

CONFIDENTIAL

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	Type of Search	Vendors and cost where applicable
Searcher: <u>KCS</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog <u>X</u>
Searcher Location: _____	Structure (#) _____	Questel/Orbit <u>X</u>
Date Searcher Picked Up: <u>3/13/02</u>	Bibliographic _____	Dr.Link _____
Date Completed: <u>3/13/02</u>	Litigation <u>X</u>	Lexis/Nexis <u>X</u>
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>12 min</u>	Other _____	Other (specify) _____

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Estimated cost :	0.58 USD
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Estimated total session cost :	0.58 USD

Selected file: LGST

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Selected file: CRXX

CRXX (CLAIMS Current Legal Status)
Legal Status actions current thru March 05, 2002 (2002-10/UP)
Reassignment data current as of december 12, 2001.
For info on technical content on this file, see: INFO CRXX

Selected file: PAST

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Covers 1973 thru weekly update (2002-10)
Information on technical content of this file, see INFO PAST

Selected file: LITA

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Covers 1970 thru weekly update (2002-10)
For technical content information : see INFO LITA

Cluster : LIT
Databases : LGST, CRXX, PAST, LITA

Search statement 1

?us36416/pn

Term not in index/PN-LGST : US36416
Term not in index/PN-CRXX : US36416
Term not in index/PN-PAST : US36416
Term not in index/PN-LITA : US36416

LGST 0
CRXX 0
PAST 0
LITA 0

** SS 1 : Results 0

Search statement 2

?us5214688/pn

LGST 1
CRXX 1
PAST 4
LITA 1

** SS 2 : Results 7

Search statement 3

?prt max 1-7

1/7 LGST (1/1) - (C) LEGSTAT
PN - US 5214688 [US5214688]
AP - US 533489/90 19900605 [1990US-0533489]
DT - US-P
ACT - 19900605 US/AE-A
APPLICATION DATA (PATENT)
{US 533489/90 19900605 [1990US-0533489]}
- 19900605 US/AS02
ASSIGNMENT OF ASSIGNOR'S INTEREST
INVENTIONS, INC., 4321 HAMMERSTONE COURT, NORCROSS, GA 30092 A CORP.
OF GA * SZLAM, ALEKSANDER : 19900605; CROOKS, JAMES W. JR. : 19900605;
HARRIS, DEAN H. : 19900605
- 19930525 US/A
PATENT
- 19960528 US/RF
REISSUE APPLICATION FILED
950525
- 19990720 US/RF
REISSUE APPLICATION FILED
19990528
- 20000208 US/RF
REISSUE APPLICATION FILED
19991110
UP - 2000-06

2/7 CRXX (1/1) - (C) CLAIMS/RRX
AN - 2364140
PN - 5,214,688 A 19930525 [US5214688]
PA - Inventions Inc.
PT - E (Electrical)

ACT - 19950525 REISSUE REQUESTED
Issue Date of O.G.: 19960528
Reissue Request Number: 08/449887
Examination Group responsible for Reissue process: 2608
Reissue Patent Number: USRE36416

- 19990528 REISSUE REQUESTED
Issue Date of O.G.: 19990720
Reissue Request Number: 09/323143
Examination Group responsible for Reissue process: 2742

- 19991110 REISSUE REQUESTED
Issue Date of O.G.: 20000208
Reissue Request Number: 09/437414
Examination Group responsible for Reissue process: 2742

UP - 1999-00
UACT- 2000-02-08

3/7 PAST (1/4) - (C) PAST

AN - 200006-000507
PN - 5214688 A [US5214688]
DT - A (UTILITY)
OG - 2000-02-08
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

4/7 PAST (2/4) - (C) PAST

AN - 199948-001434
PN - 5214688 A [US5214688]
DT - A (UTILITY)
OG - 1999-11-30
CO - RE
ACT - REISSUE PATENT
SH - REISSUE PATENT
RL - USRE36416

5/7 PAST (3/4) - (C) PAST

AN - 199929-001433
PN - 5214688 A [US5214688]
DT - A (UTILITY)
OG - 1999-07-20
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

6/7 PAST (4/4) - (C) PAST

AN - 199622-001226
PN - 5214688 A [US5214688]
DT - A (UTILITY)
OG - 1996-05-28
CO - REA
ACT - REISSUE APPLICATION FILED
SH - REISSUE APPLICATION FILED

7/7 LITA (1/1) - (C) LITALERT

AN - P1999-38-08
FS - PATENT (P)
PN - US4477698 19841016-(Utility)
TI - Apparatus for detecting pick-up at a remote telephone set

PCL - 379377000
IN - Szlam Aleksander - Marietta GA;
- Quinn Chester P - Chamblee GA
PA - Melita Electronics Labs Incorporated - Atlanta GA
IT - Telephonic communications
PF - Melita International Corporation Inventions Incorporated
DF - Stratasoft Incorporated
CT - GA, Northern Dist.
DN - 1:99-cv-2303-RWS
FD - 1999-09-08
ACT - A complaint was filed.
OPN - US4540855
- US4797911
- US4894857
- US5214688
- US5675637
UP - 1999-38

Search statement 3

May 25, 1993

EXIS-NEXIS
Library: PATENT
File: ALL

Method and apparatus for dynamic and interdependent
processing of inbound calls and outbound calls

LIT-REEX: NOTICE OF LITIGATION

Melita International Corporation Inventions, Inc. v. Stratasoftware, Inc., Filed
Sep. 8, 1999, D.C. N.D. Georgia (Atlanta), Doc. No. 1:99-cv-2303-RWS

REISSUE: Reissue Application filed Nov. 10, 1999 (O.G. Feb. 8, 2000) Ex. Gp.:
2742; Re. S.N. 09/437,414

This Patent was reissued on Nov. 30, 1999 as Reissue Patent Re 36,416.

Reissue Application filed May 28, 1999 (O.G. Jul. 20, 1999) Ex. Gp.: 2742;
Re. S.N. 09/323,143

Reissue Application filed May 25, 1995 (O.G. May 28, 1996) Ex. Gp.: 2608; Re.
S.N. 08/449,887

CORE TERMS: inbound, statistics, window, trunk, telephone, message, outbound,
calling party, controller, answered...

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,214,688 OR 5214688

LEXIS-NEXIS
Library: PATENT
File: JNLS

Your search request has found no ITEMS.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,214,688 OR 5214688

LEXIS-NEXIS
Library: **NEWS**
File: **CURNWS**

Your search request has found no STORIES.

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

2/39/1

DIALOG(R) File 345: Inpadoc, m. & Legal Stat
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14111662

Basic Patent (No, Kind, Date): CA 2041882 AA 19911206 <No. of Patents: 013>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
AU 9176420	A1	19911212	AU 9176420	A	19910508	
AU 636978	B2	19930513	AU 9176420	A	19910508	
BR 9102309	A	19920114	BR 91U2309	A	19910604	
CA 2041882	AA	19911206	CA 2041882	A	19910506	(BASIC)
EP 1172996	A1	20020116	EP 2001203600	A	19910514	
EP 460816	A2	19911211	EP 91304304	A	19910514	
EP 460816	A3	19930421	EP 91304304	A	19910514	
EP 460816	TD	19920723	EP 91304304	A	19910514	
ES 2029988	T1	19921016	ES 91304304	EP	19910514	
JP 6217015	A2	19940805	JP 91159963	A	19910605	
JP 3093822	B2	20001003	JP 91159963	A	19910605	
US 5214688	A	19930525	US 533489	A	19900605	
US RE36416	E	19991130	US 449887	A	19950525	

Priority Data (No, Kind, Date):

US 533489 A 19900605
EP 91304304 A3 19910514
US 449887 A 19950525
US 533489 A5 19900605

PATENT FAMILY:

AUSTRALIA (AU)

Patent (No, Kind, Date): AU 9176420 A1 19911212

METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English)

Patent Assignee: INVENTIONS INC

Author (Inventor): SZLAM ALEKSANDER; CROOKS JAMES W JR; HARRIS DEAN H

Priority (No, Kind, Date): US 533489 A 19900605

Applic (No, Kind, Date): AU 9176420 A 19910508

IPC: * H04M-003/44; H04M-003/50

Language of Document: English

Patent (No, Kind, Date): AU 636978 B2 19930513

METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English)

Patent Assignee: INVENTIONS INC

Author (Inventor): SZLAM ALEKSANDER; CROOKS JAMES W JR; HARRIS DEAN H

Priority (No, Kind, Date): US 533489 A 19900605

Applic (No, Kind, Date): AU 9176420 A 19910508

IPC: * H04M-003/44; H04M-003/50

Derwent WPI Acc No: * G 91-363288

Language of Document: English

BRAZIL (BR)

Patent (No, Kind, Date): BR 9102309 A 19920114

PROCESSO, SISTEMA E APARELHO PARA PROCESSAMENTO DINAMICO E
INTERDEPENDENTE DE CHAMADAS TELEFONICAS RECEBIDAS E PARA FORA
(Portuguese)

Patent Assignee: INVENTIONS INC (US)

Author (Inventor): SZLAM ALEKSANDER; CROOKS JAMES W JR; HARRIS DEAN H

Priority (No, Kind, Date): US 533489 A 19900605

Applic (No, Kind, Date): BR 91U2309 A 19910604

IPC: * H04M-003/36

Derwent WPI Acc No: * G 91-363288

Language of Document: Portuguese

BRAZIL (BR)

Legal Status (No, Type, Date, Code, Text):

BR 9102309	P	19970422	BR EG	APPLICATION	REFUSED
			(CONHECIMENTO	DO	PARECER
			DEFASORAVEL)		TECNICO
BR 9102309	P	19971223	BR HO	CHANGE OF CLASSIFICATION	

(ALTERACAO DE CLASIFICACAO)

INT.CL.6 H04Q 3/64

BR 9102309	P	19980602	BR FB36	GRANT PROCEDURE SUSPENDED
			ART. 36 OF LPI	(EXIGENCIA ART. 36 DA LPI)
BR 9102309	P	19981201	BR FB36	GRANT PROCEDURE SUSPENDED
			ART. 36 OF LPI	(EXIGENCIA ART. 36 DA LPI)
BR 9102309	P	19990928	BR ND	EXTENSION OF TIME ALLOWED
			(DEVOLUCAO DE PRAZO)	
BR 9102309	P	19991109	BR FB36	GRANT PROCEDURE SUSPENDED
			ART. 36 OF LPI	(EXIGENCIA ART. 36 DA LPI)
BR 9102309	P	20000711	BR FF	INTENTION TO GRANT (PEDIDO DEFERIDO)
BR 9102309	P	20001017	BR FG9A	PATENT OR CERTIFICATE OF ADDITION GRANTED (CONCESSAO DE PATENTE OU CERTIFICADO DE ADICAO DE INVENCAO)

CANADA (CA)

Patent (No,Kind,Date): CA 2041882 AA 19911206
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English; French)
Patent Assignee: INVENTIONS INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); CROOKS JAMES W JR (US);
HARRIS DEAN H (US)
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): CA 2041882 A 19910506
IPC: * H04Q-001/00
Derwent WPI Acc No: * G 91-363288
Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 1172996 A1 20020116
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English; French; German)
Patent Assignee: INV S INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); CROOKS JAMES W (US);
HARRIS DEAN H (US)
Priority (No,Kind,Date): EP 91304304 A3 19910514; US 533489 A
19900605
Applic (No,Kind,Date): EP 2001203600 A 19910514
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IT;
LI; LU; NL; SE
IPC: * H04M-003/51; H04M-003/36; H04M-003/523
Derwent WPI Acc No: * G 91-363288
Language of Document: English

Patent (No,Kind,Date): EP 460816 A2 19911211
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English; French; German)
Patent Assignee: INVENTIONS INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); HARRIS DEAN H (US); CROOKS
JAMES W JR (US)
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): EP 91304304 A 19910514
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IT;
LI; LU; NL; SE
IPC: * H04M-003/50; H04M-003/36
Derwent WPI Acc No: ; G 91-363288
Language of Document: English

Patent (No,Kind,Date): EP 460816 A3 19930421
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English; French; German)
Patent Assignee: INVENTIONS INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); HARRIS DEAN H (US); CROOKS
JAMES W JR (US)
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): EP 91304304 A 19910514
Designated States: (National) AT; BE; CH; DE; DK; ES; FR; GB; GR; IT;
LI; LU; NL; SE
IPC: * H04M-003/50; H04M-003/36

Derwent WPI Acc No: * 91-363288
 Language of Document: English
 Patent (No,Kind,Date): EP 460816 TD 19920723
 VERFAHREN UND GERAET ZUR DYNAMISCHEN UND VONEINANDER ABHAENGIGEN
 VERARBEITUNG EINGEHENDER UND AUSGEHENDER ANRUF. (German)
 Patent Assignee: INVENTIONS INC (US)
 Author (Inventor): SZLAM ALEKSANDER (US); HARRIS DEAN H (US); CROOKS
 JR (US)
 Priority (No,Kind,Date): US 533489 A 19900605
 Applic (No,Kind,Date): EP 91304304 A 19910514
 IPC: * H04M-003/50; H04M-003/36
 Derwent WPI Acc No: * G 91-363288
 Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 460816	P	19900605	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 460816	P	19910514	EP AE	US 533489 A 19900605 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 460816	P	19911211	EP AK	EP 91304304 A 19910514 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT (IN EINER ANMELDUNG OHNE RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 460816	P	19911211	EP A2	AT BE CH DE DK ES FR GB GR IT LI LU NL SE PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG OHNE RECHERCHENBERICHT)
EP 460816	P	19920213	EP ITCL	IT: TRANSLATION FOR EP CLAIMS FILED (IT: DEPOSITO TRADUZIONE DI RIVENDICAZIONI EUROPEE)
EP 460816	P	19920403	EP EL	JACOBACCI CASETTA & PERANI S.P.A. FR: TRANSLATION OF CLAIMS FILED (FR: TRADUCTION DES REVENDICATIONS A ETE REMISE)
EP 460816	P	19920701	EP TCNL	NL: TRANSLATION OF PATENT CLAIMS FILED (NL: UEBERSETZUNG DER PATENTANSPRUECHE EINGEREICHT)
EP 460816	P	19920715	EP TCAT	AT: TRANSLATION OF PATENT CLAIMS FILED (AT: UEBERSETZUNG DER PATENTANSPRUECHE EINGEREICHT)
EP 460816	P	19920723	EP DET	DE: TRANSLATION OF PATENT CLAIMS (DE: UEBERSETZUNG DER PATENTANSPRUECHE)
EP 460816	P	19921016	ES BA2A/REG	PROVISIONAL PROTECTION (PROTECCION PROVISIONAL) 2029988T1
EP 460816	P	19930421	EP AK	DESIGNATED CONTRACTING STATES IN A SEARCH REPORT (IN EINEM RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
EP 460816	P	19930421	EP A3	AT BE CH DE DK ES FR GB GR IT LI LU NL SE SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93) (GESONDERTE VEROEFFENTLICHUNG DES RECHERCHENBERICHTS (ART. 93))
EP 460816	P	19931201	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 931001
EP 460816	P	19960626	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 960510
EP 460816	P	20010816	EP RAP1	APPLICANT REASSIGNMENT (CORRECTION) (ANMELDER UEBERTRAGUNG (KORR.))

INVENTIONS, INC.

EP 460816 P 20011121 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))
EP 2001203600 A 20010921

EP 460816 P 20020116 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)
EP 1172996 P

EP 1172996 P 19900605 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
US 533489 A 19900605

EP 1172996 P 19910514 EP AA DIVIDED OUT OF (AUSSCHIEDUNG AUS)
EP 91304304 A3 19910514

EP 1172996 P 19910514 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 2001203600 A 19910514

EP 1172996 P 20020116 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:)
EP 460816 P

EP 1172996 P 20020116 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)

EP 1172996 P 20020116 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 1172996 P 20020116 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
20011004

SPAIN (ES)

Patent (No,Kind,Date): ES 2029988 T1 19921016
METODO DE PROCESAR LLAMADAS TELEFONICAS. (Spanish)
Patent Assignee: INVENTIONS INC
Author (Inventor): SZLAM ALEKSANDER (US); HARRIS DEAN H (US); CROOKS JAMES W JR (US)
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): ES 91304304 EP 19910514
Addnl Info: 460816 19111291 EP patent valid in AT
IPC: * H04M-003/50; H04M-003/36
Derwent WPI Acc No: * G 91-363288
Language of Document: Spanish

SPAIN (ES)

Legal Status (No,Type,Date,Code,Text):
ES 2029988 P 19921016 ES BA2A PROVISIONAL PROTECTION
(PROTECCION PROVISIONAL)
460816

JAPAN (JP)

Patent (No,Kind,Date): JP 6217015 A2 19940805
METHOD AND DEVICE FOR CONTROLLING REPEATER PROCESSING OF TELEPHONE FOR COMING FROM OUTSIDE AND TELEPHONE FOR TURNING OUTWARD, AND METHOD AND DEVICE FOR PROCESSING INTERDEPENDENCE THEREOF (English)
Patent Assignee: INVENTIONS INC
Author (Inventor): AREKUSANDAA TSURAMU; JIEIMUZU DABURIYUU KURUUKUSU J ; DEIIN EICHI HARISU
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): JP 91159963 A 19910605
IPC: * H04M-003/42; H04Q-003/58
Derwent WPI Acc No: * G 91-363288
Language of Document: Japanese
Patent (No,Kind,Date): JP 3093822 B2 20001003
Patent Assignee: INBENSHONZU INC

Author (Inventor): ARFUSANDAA TSURAMU; JEIMUZU DABURY KURUUKUSU JUN
; DEIIN EICHI HARISU
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): JP 91159963 A 19910605
IPC: * H04M-003/51
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5214688 A 19930525
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English)
Patent Assignee: INVENTIONS INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); CROOKS JR JAMES W (US);
HARRIS DEAN H (US)
Priority (No,Kind,Date): US 533489 A 19900605
Applic (No,Kind,Date): US 533489 A 19900605
National Class: * 379067000; 379088000; 379112000; 379137000
IPC: * H04M-001/64
Derwent WPI Acc No: * G 91-363288
Language of Document: English
Patent (No,Kind,Date): US RE36416 E 19991130
METHOD AND APPARATUS FOR DYNAMIC AND INTERDEPENDENT PROCESSING OF
INBOUND CALLS AND OUTBOUND CALLS (English)
Patent Assignee: INVENTIONS INC (US)
Author (Inventor): SZLAM ALEKSANDER (US); CROOKS JR JAMES W (US);
HARRIS DEAN H (US)
Priority (No,Kind,Date): US 449887 A 19950525; US 533489 A5
19900605
Applic (No,Kind,Date): US 449887 A 19950525
Addnl Info: 5214688 19930525 Reissue of
National Class: * 379088090; 374088220; 374112000; 374137000
IPC: * H04M-001/64
Derwent WPI Acc No: * G 91-363288
Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):
US 36416 E 19900605 US AA PRIORITY
US 533489 A5 19900605
US 36416 E 19950525 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 449887 A 19950525
US 36416 E 19991130 US E REISSUE
US 5214688 P 19900605 US AE APPLICATION DATA (PATENT)
(APPL. DATA (PATENT))
US 533489 A 19900605
US 5214688 P 19900605 US AS02 ASSIGNMENT OF ASSIGNOR'S
INTEREST
INVENTIONS, INC., 4321 HAMMERSTONE COURT,
NORCROSS, GA 30092 A CORP. OF GA ; SZLAM,
ALEKSANDER : 19900605; CROOKS, JAMES W. JR. :
19900605; HARRIS, DEAN H. : 19900605
US 5214688 P 19930525 US A PATENT
US 5214688 P 19960528 US RF REISSUE APPLICATION FILED
(REISSUE APPL. FILED)
950525
US 5214688 P 19990720 US RF REISSUE APPLICATION FILED
(REISSUE APPL. FILED)
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